

<b>GEARTECH</b>	CHECKLIST			No. CK4100	SHEET 1 OF 2
				Rev. A	
Gear Design Audit				BY RLE	DATE 3/22/98
				CKD JRM	DATE 3/23/98
GEAR GEOMETRY					
Question	Y	N	R	Comments	
Do gear drawings specify the following data:					
$z$ = number of teeth?					
$m_n$ = normal module?					
$\alpha_n$ = normal pressure angle?					
$\beta$ = helix angle?					
Helix hand?					
$a_w$ = operating center distance?					
$b$ = face width?					
$d_a$ = tip diameter?					
$x$ = profile shift coefficient?					
$W_k$ = span measurement?					
$k$ = number of teeth spanned?					
Tip chamfer?					
End round?					
Edge round?					
Profile modification?					
Helix modification?					
GEAR GEOMETRIC QUALITY					
Question	Y	N	R	Comments	
Do gear drawings specify the following data:					
Accuracy specification (DIN, ISO, or AGMA)?					
Accuracy class?					
Profile total deviation, $F_\alpha$ ?					
Profile slope deviation, $f_{H\alpha}$ ?					
Profile form deviation, $f_{f\alpha}$ ?					
Total helix deviation, $F_\beta$ ?					
Helix slope deviation, $f_{H\beta}$ ?					
Helix form deviation, $f_{f\beta}$ ?					
Single pitch deviation, $f_{pt}$ ?					
Total cumulative pitch deviation, $F_p$ ?					
Runout, $F_r$ ?					
Reference datum for radial runout?					
Reference datum for axial runout?					
Tolerance for radial runout?					
Tolerance for axial runout?					
Profile tolerance chart?					
Helix tolerance chart?					
Gear tooth surface roughness?					
GEAR METALLURGICAL QUALITY					
Question	Y	N	R	Comments	
Do gear drawings specify the following data:					
Material form (forging or bar stock)?					
Material alloy?					

[illegible]

